



PTO/SB/21 (02-04)
Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Undant San	erwork Re	duction Act of 1995.	no person:	s are required to respond to a collection Application Number	n of info	mation unless	it displa	vs a valid OMB control number
TE	ANCE	MITTAL		Filing Date				
15				First Named Inventor		12/30/2003		
FORM				Art Unit	Buehler	<u> </u>		
(to be used for a	all correspo	ondence after initial t	Wing)	Examiner Name				
Total Number of	Pages in T	his Submission		Attorney Docket Number	CIT001			
			ENC	LOSURES (Check all that	t apply)			
Fee Transmittal Form Fee Atlached Amendment/Repty After Final Affidavits/declaration(s) Extension of Time Request Express Abandorment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts Incomplete Application Response to Missing Parts Under 37 CFR 1.52 or 1.53			Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Altomey, Revocation Charge of Correspondence Addra Terminal Disclaimer Request for Refund CD, Number of CD(s)	eess	After Allowance communication to Technology Center (TC) Appeal Communication to Board Appeal Communication to Board Appeal Communication to Total Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Endosure(s) (please Identify below): Prior Art Documents		gy Center (TC) immunication to Board and Interferences immunication to TC ce, Brief, Reply Brief) information er sure(s) (please bw):	
		SIGNA	TURE (OF APPLICANT, ATTORN	EY. O	R AGENT		
Firm	CARY T	OPE-MCKAY						
or Individual name			_					
Signature								
Data Comment			⊋_`					
01/19/2005								
CERTIFICATE OF TRANSMISSION/MAILING								
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22315-1450 on the date shown below.								
Typed or printed name CARY TOPE-MCKAY					_			
Signature		(2-> -			Date	01/19/2005	

This colocion of information is enquired by 37 EPR 1.5. This information is required to obtain or retain a board by the public which is to file (and by the USPTO to movem) also application. Confedentable by a powered by 38 USB. 6.7. 32 and 37 CFR 1.4. This collection is estimated to 25 cours to complete, excluding patienting, proparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. An example of the propagation form of the USPTO. Time will vary depending upon the individual case. An example of the propagation for the propagation for reducing this burden, should be sent to the Child Information Cifficu. U.S. Papertin and Trademark Cifficu. U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22314-450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commission of For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006, OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMENCE and to a collection of information unless if organize a valid OMB control unless.

1440/BTO				Complete if Known	
O EMPE			Application Number	10/750,162	
ORMATION	DIS	CLOSURE	Filing Date	12/30/2003	
TEMENT E	BY A	PPLICANT	First Named Inventor	Buehler	
			Art Unit		
(Use as many she	ets as n	ecessary)	Examiner Name		
1	of	2	Attorney Docket Number	CIT001	
	DRMATION TEMENT E	DRMATION DIS TEMENT BY A	ORMATION DISCLOSURE ITEMENT BY APPLICANT (Use as many sheets as necessary)	Application Number DRMATION DISCLOSURE Filing Date ITEMENT BY APPLICANT (Use as many sheets as necessary) Examiner Name	Complete if Known Application Number 10/750, 162 PRMATION DISCLOSURE Filing Date 12/30/2003 First Named Inventor Art Unit Examiner Name

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1							
/A.N./	Samuel P. Kounaves, Stefan R. Lukow, Brian P. Comeau, Michael H. Hecht, Sabrina M. Grannan-Feldman, Ken 1 Manati, Steven J. West, Xiaowen Wen, Martin Frant, and Tim Gillette, "The MSPO1 MECA Wet Chemistry Lab: Sensor Evaluation", Journal of Geophysical Research (Planets) September 2002							
/A.N./	A.N./ Mark Kolody, Martin G. Buehler, Gregory M. Kuhlman, Didler Keymeulen, and Nosang V. Myung, and Samuel P. Kounaves, "Planar REDOX and Conductivity Sensors for ISS Water Quality Measurements" 2003 IEEE Aerospace Conference, 2003, Vol. 1, cat No. 021H5993C.							
/A.N./	3	A. J. Bard and L. R. Faulkner, "Electrochemical Methods: Fundamentals and Applications, Second Edition", Wiley & Sons (New York, 2001).						
/A.N./	4	J. Wang, Analytical Electrochemistry, Wiley-VCH, New York, 2000.						
/A.N./	N./ 5 D. Diamond and V. C. A. Hanratty, Spreadsheet Applications in Chemistry using Microsoft Excel, J. Wiley & Sons (New York, 1997).							
/A.N./	M. Pourbaix, "Atlas of Electrochemical Equilibria in Aqueous Solutions", Nation Association of Corrosion Engineers (Houston, TX 1974).							
/A.N./	/A.N./ 7 M. G. Buehler and W. R. Thurber, "A Planar Four-Probe Test Structure for Measuring Bulk Resistivity," IEEE Trans. On Electron Devices, Vol. ED-23, pp. 968-974.1976.							
/A.N./	8	M. G. Buehler, G. M. Kuhlman, D. Keymeulen, and S. Kounaves, "Advanced Electronic Tongue Concept", 2002 IEEE Aerospace Conference, 2002, Vol. 1, cat. No. 02TH8593C.						
/A.N./	9	Handbook of Chemistry and Physics, Electrochemical Series, No. 74, CRC Press (Bocaraton, 1994) ! No. 85						
/A.N./	10	"Microfabricated Heavy Metal Ion Sensor", G. T. A. Kovacs, C. W. Storment, and S. P. Kounaves, Sensors and Actuators B, 1995, 23, 41-47.						

	and S. F. Nouriaves, Serisors and Actuators B, 1995, 25, 41-47.					
Examiner	/Alexander Noguerola/	Date	09/30/2008			
Signature	<u>*</u>	Considered				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

considerate, include copy of the storm with note commissional to deplete an exhaust note that the story of th

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

! - the references marked with "!" are only the first pages of amazon.com ads for purchasing the books. See the artifact file. Downloaded on 01/12/2005.

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

	COTHER	T CONTACT	d or rese, he persons as	e required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known			
Substitut	e recognificance			Application Number	10/750,162		
INFO	ORMATION	DIS	CLOSURE	Filing Date	12/30/2003		
STA	TEMENT E	Y A	PPLICANT	First Named Inventor	Buehler		
				Art Unit			
	(Use as many she	ets as n	ecessary)	Examiner Name			
Sheet	1	of	2	Attorney Docket Number	CIT001		

Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	T ²
Initials*	No.1	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ,
/A.N./	11	Y. Sakano, K. D. Pickering, P. F. Strom, and L. J. Kerkhof, "Spatial Distribution of Total, Ammonia- Oxidizing, and Dentirifying Bacteria in Biological Wastewater Treatment Reactors for Bioregenerative Life Support", Applied And Environmental Microbiology, May 2002, p. 2285—2293 Vol. 68, No.	
/A.N./	12	S. J. Nest, X. Wen, R. Gels, J. Herdan, T. Gillette, M. H. Hecht, W. Schubert, S. Grannan, S. P. Kounaves, "Electrochemistry on Mars," American Laboratory 31 (20), p. 48, Oct. 1999	
	_		
			L

Examiner Signature	/Alexander Noguerola/	Date Considered	09/30/2008
	itial if reference considered, whether or not citation is in conformance with MPEP 60 lude copy of this form with next communication to applicant.	Draw line through co.	itation if not in conformance and not

Date

considered. Include copy of this form with next communication to applicant.

1 Applicant's supplication designation unstruction (principal Applicant is to place a check mark here if English language Translation is statished.

This collection of information is required by 37 CPR 1.98. This information is required by other than the collection of information is required by 37 CPR 1.98. This information is required by 37 CPR 1

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Evaminer